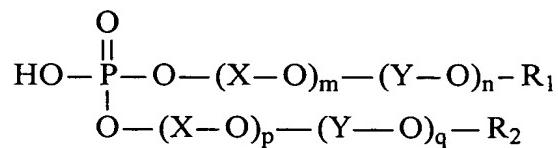


## AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): Process A process for treatment of a mineral charges charge characterized in that said charge

- a) is treated with at least one treatment agent with the general formula (1):



with  $\text{R}_1$  = either H or alkyl with C<sub>8</sub> to C<sub>40</sub> or aryl or alkylaryl or arylalkyl with C<sub>6</sub> to C<sub>40</sub>, ~~1 = either H or alkyl with C<sub>8</sub> to C<sub>40</sub> or aryl or alkylaryl or arylalkyl with C<sub>6</sub> to C<sub>40</sub>~~

with  $\text{R}_2$  = either alkyl with C<sub>8</sub> to C<sub>40</sub> or aryl or alkylaryl or arylalkyl with C<sub>6</sub> to C<sub>40</sub>,

X = -CH<sub>2</sub>-CH<sub>2</sub>- or -CH(CH<sub>3</sub>)-CH<sub>2</sub>- or

-CH<sub>2</sub>-CH(CH<sub>3</sub>)- or -(CH<sub>2</sub>)<sub>5</sub>-CO-,

Y = -CH<sub>2</sub>-CH<sub>2</sub>- or -CH(CH<sub>3</sub>)-CH<sub>2</sub>- or

-CH<sub>2</sub>-CH(CH<sub>3</sub>)- or -(CH<sub>2</sub>)<sub>5</sub>-CO-,

X and Y being identical or different,

(m + n) ranging from 0 to 60 (including limits) as well as (p+q)

with  $0 \leq m + n \leq 60$  and  $0 \leq p + q \leq 60$  when X = Y = -CH<sub>2</sub>-CH<sub>2</sub>- and

with ( $1 \leq m \leq 10$  and  $1 \leq p \leq 10$ ) and ( $0 \leq n \leq 59$  and  $0 \leq q \leq 59$ ) when X is different from Y; and

- b) undergoes a deagglomeration stage.

Claim 2 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 1, characterized in that said charge undergoes a further stage, a selection stage c) following deagglomeration stage b).

Claim 3 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 1 ~~or 2~~, characterized in that said treatment agent is a branched or linear C<sub>8</sub> to C<sub>20</sub> aliphatic alcohol acid phosphate on which there are condensed from 0 to 12 ethylene oxide motifs.

Claim 4 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 3, characterized in that said treatment agent comprises a mixture of mono- and diesters.

Claim 5 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to ~~claims 1 to 4~~, claim 1, characterized in that said treatment agent is a mixture of decyl alcohol acid phosphate mono- and diester with 5 moles of ethylene oxide.

Claim 6 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 1 ~~or 2~~, characterized in that said treatment agent is tristyrylphenol acid phosphate monoester containing 60 moles of ethylene oxide.

Claim 7 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to ~~any one of claims 1 to 4~~ claim 1, characterized in that said treatment agent is a mixture of ketostearyl alcohol acid phosphate mono- and diester.

Claim 8 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 1 ~~or 2~~, characterized in that said treatment agent is a mixture of nonylphenol acid phosphate mono- and diester containing 10 moles of ethylene oxide.

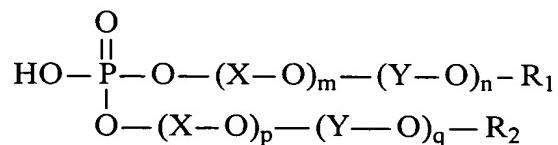
Claim 9 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 1 ~~or 2~~, characterized in that said treatment is performed by the dry method or by the wet method.

Claim 10 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to ~~any one of claims 1 to 9~~ claim 1, characterized in that said charge is selected from among: natural or synthetic alkaline-earth carbonates, phosphates and sulfates, zinc carbonate, mixed salts of magnesium and calcium, dolomites, lime, magnesia, barium sulfate, calcium sulfates, magnesium and aluminum hydroxides, silica, willastonite, clays and other silico-aluminous materials, kaolins, silico-magnesians, talc, mica, solid or hollow glass balls, metal oxides, zinc oxides, iron oxides, titanium oxide and mixtures thereof.

Claim 11 (Currently Amended): ~~Process for treatment of mineral charges~~ The process according to claim 10, characterized in that said charge is selected from among: natural calcium carbonates selected from among chalk, calcite and marble, precipitated calcium carbonate, dolomite, aluminum or magnesium hydroxides, kaolin, talc, wollastonite and mixtures thereof.

Claim 12 (Currently Amended): Treated A treated mineral charge, with a particular grain size measurement, for the manufacture of polyurethane foams, by a process according to which said charge is mixed with at least one part of the polyol of the reaction forming the polyurethane, and having a shorter mixing time with the polyol and the other reagents, characterized in that it is produced by a process wherein a mineral charge

- a) is treated with at least one compound treatment agent of the general formula (1):



with  $\text{R}_1$  = either H or alkyl with C<sub>8</sub> to C<sub>40</sub> or aryl or alkylaryl or arylalkyl with C<sub>6</sub> to C<sub>40</sub>,

with  $\text{R}_2$  = either alkyl with C<sub>8</sub> to C<sub>40</sub> or aryl or alkylaryl or arylalkyl with C<sub>6</sub> to C<sub>40</sub>,

$\text{X} = -\text{CH}_2-\text{CH}_2-$       or       $-\text{CH}(\text{CH}_3)-\text{CH}_2-$       or

$-\text{CH}_2-\text{CH}(\text{CH}_3)-$       or       $-(\text{CH}_2)_5-\text{CO}-$ ,

$\text{Y} = -\text{CH}_2-\text{CH}_2-$       or       $-\text{CH}(\text{CH}_3)-\text{CH}_2-$       or

$-\text{CH}_2-\text{CH}(\text{CH}_3)-$       or       $-(\text{CH}_2)_5-\text{CO}-$ ,

X and Y being identical or different,

(m + n) ranges from 0 to 60 (including limits) as well as (p + q)

with  $0 \leq m + n \leq 60$  and  $0 \leq p + q \leq 60$  when  $\text{X} = \text{Y} = -\text{CH}_2-\text{CH}_2-$  and

with ( $1 \leq m \leq 10$  and  $1 \leq p \leq 10$ ) and ( $0 \leq n \leq 59$  and  $0 \leq q \leq 59$ ) when X is different from Y ;

- b) undergoes a deagglomeration stage; and
- c) possibly optionally undergoes a selection stage.

Claim 13 (Currently Amended): ~~Treated~~ The treated mineral charge ; according to claim 12, characterized in that said treatment agent comprises a mixture of mono- and diester.

Claim 14 (Currently Amended): ~~Treated~~ The treated mineral charge ; according to claim 12 ~~or 13~~, characterized in that said treatment agent is a mixture of decyl alcohol acid phosphate mono- and diester with 5 moles of ethylene oxide.

Claim 15 (Currently Amended): ~~Treated~~ The treated mineral charge ; according to claim 12, characterized in that said treatment agent is the monoester of tristyrylphenol acid phosphate containing 60 moles of ethylene oxide.

Claim 16 (Currently Amended): ~~Treated~~ The treated mineral charge ; according to claim 12 ~~or 13~~, characterized in that said treatment agent is a mixture of ketostearyl alcohol acid phosphate mono- and diester.

Claim 17 (Currently Amended): ~~Treated~~ The treated mineral charge ; according to claim 12 ~~or 13~~, characterized in that said treatment agent is a mixture of nonylphenol acid phosphate mono- and diester containing 10 moles of ethylene oxide.

Claim 18 (Currently Amended): Treated The treated mineral charges charge according to ~~any one of claims 12 to 17~~ claim 12, characterized in that the charges charge to be treated ~~are~~ is selected from among natural or synthetic alkaline-earth carbonates, phosphates and sulfates, zinc carbonate, mixed salts of magnesium and calcium, dolomites, lime, magnesia, barium sulfate, calcium sulfates, magnesium and aluminum hydroxides, silica, wollastonite, clays and other silico-aluminous materials, kaolins, silico-magnesians, talc, mica, solid or hollow glass balls, metal oxides, zinc oxide, iron oxides, titanium oxide and mixtures thereof.

Claim 19 (Currently Amended): Treated The treated mineral charges charge according to ~~any one of claims 12 to 17~~ claim 12, characterized in that the charges charge to be treated ~~are~~ is selected from among natural calcium carbonates selected from among chalk, calcite and marble, precipitated calcium carbonate, dolomite, aluminum or magnesium hydroxides, kaolin, talc, wollastonite and mixtures thereof.

Claim 20 (Currently Amended): Treated The treated mineral charges charge according to ~~any one of claims 12 to 19~~ claim 12, characterized in that ~~they consist~~ the charge consists of products with a mean diameter ranging between 0.1 and 15 micrometers.

Claim 21 (Currently Amended): Treated The treated mineral charges charge according to ~~any one of claims 12 to 19~~ claim 12, characterized in that ~~they consist~~ the charge consists of products with a mean diameter ranging between 0.1 and 10 micrometers.

Claim 22 (Currently Amended): ~~Treated~~ The treated mineral charges charge  
according to ~~any one of claims 12 to 19~~ claim 12, characterized in that ~~they consist~~ the charge  
consists of products with a mean diameter ranging between 0.3 and 8 micrometers.

Claim 23 (Currently Amended): ~~Treated~~ The treated mineral charges charge  
according to ~~any one of claims 12 to 22~~ claim 12, characterized in that the ~~charges are the~~  
charge is selected from among the following: a marble with mean diameter 8 micrometers, a  
magnesium hydroxide with mean diameter ranging between 1.4 and 1.8 micrometers, a talc  
with mean diameter 2.5 micrometers, a dolomite with mean diameter 3 micrometers, an  
aluminum hydroxide with mean diameter 0.8 micrometer, a kaolin with mean diameter 0.5  
micrometer, and a precipitated calcium carbonate with mean diameter 0.30 micrometer.

Claim 24 (Currently Amended): ~~Treated~~ The treated mineral charges charge  
according to ~~any one of claims 12 to 23~~ claim 12, characterized in that ~~they retain their~~ the  
treated mineral charge retains its hydrophily while having a polyol intake reduced by at least  
15 % ~~and preferably by at least 20 %~~ as compared with the untreated mineral charge.

#### Claims 25-34 (Canceled)

Claim 35 (Currently Amended): Flexible, semi-rigid or rigid polyurethane foams  
~~obtained with the process either by foaming without an auxiliary inflation agent, or by~~  
~~foaming with an auxiliary inflation agent selected from among methylene chloride, acetone~~  
~~or CO<sub>2</sub> or others,~~ characterized in that they incorporate a pretreated the treated mineral  
charge according to any one of claims 12 to 24 of claim 12.

Claim 36 (Currently Amended): Composite polyurethanes, ~~cellular or otherwise~~, characterized in that they incorporate ~~a pretreated~~ the treated mineral charge according to any one of claims 12 to 24 of claim 12.

Claim 37 (Currently Amended): Molded or non-molded articles, characterized in that they are obtained from ~~the foams and composite polyurethanes obtained according to of~~ claim 35 or 36.